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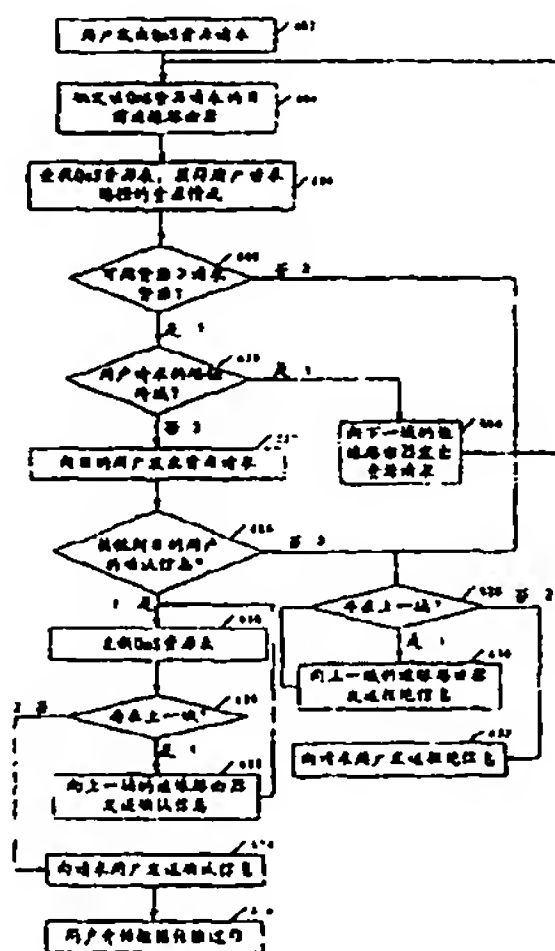
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(54) Title: A METHOD DEVICE AND SYSTEM OF REALIZING QoS (QUALITY OF SERVICE) GUARANTEE IN MPLS NETWORK

(54) 发明名称: 在 MPLS 网络中实现 QoS 保证的方法、装置和系统



802 USER ISSUES THE QOS RESOURCE REQUEST
804 COMPARING THE DESTINATION EDGE ROUTER OF THE QOS RESOURCE REQUEST
806 SEARCHING THE QOS RESOURCE LIST ACQUARING THE RESOURCE STATUS OF THE PATH THE USER REQUESTED
808 AVAILABLE RESOURCE > REQUESTED RESOURCE?
810 IS THE PATH THE USER REQUESTED IN THE OTHER AREA?
812 ISSUING THE RESOURCE REQUEST TO THE DESTINATION USER
814 ISSUING THE RESOURCE REQUEST TO THE EDGE ROUTER OF THE NEXT AREA
816 RECEIVING THE CONFIRM INFORMATION OF THE DESTINATION USER
818 UPDATING THE QOS RESOURCE LIST
820 IS THE PREVIOUS AREA EXISTING?
822 TRANSMITTING THE CONFIRM INFORMATION TO THE EDGE ROUTER OF THE PREVIOUS AREA
824 TRANSMITTING THE CONFIRM INFORMATION TO THE REQUESTING USER
826 USER STARTS THE DATA TRANSMISSION PROCESS
828 IS THE PREVIOUS AREA EXISTING?
830 TRANSMITTING THE REFUSAL INFORMATION TO THE EDGE ROUTER OF THE PREVIOUS AREA
832 TRANSMITTING THE REFUSAL INFORMATION TO THE REQUESTING USER
1 YES
2 NO

(57) Abstract: The present invention provides a method of realizing QoS guarantee in MPLS network, a method of establishing, finishing QoS data transmission and the edge router for MPLS network, the MPLS network of realizing QoS guarantee. Said method of realizing QoS guarantee in the MPLS network includes: creating the QoS resource list in each edge router, recording the resource status corresponding to the path; said each edge router assigning the resource to the requesting users according to the said QoS resource list, and updating the QoS resource list accordingly.

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(57) 摘要

本发明提供了一种在 MPLS 网络中实现 QoS 保证的方法，在 MPLS 网络中建立、结束 QoS 数据传输的方法、以及用于 MPLS 网络的边缘路由器、实现 QoS 保证的 MPLS 网络。所述在 MPLS 网络中实现 QoS 保证的方法包括：在各个边缘路由器中建立各自的 QoS 资源表，记录与路径相对应的资源情况；所述每个边缘路由器根据所述 QoS 资源表为请求用户分配资源，并相应地更新 QoS 资源表。